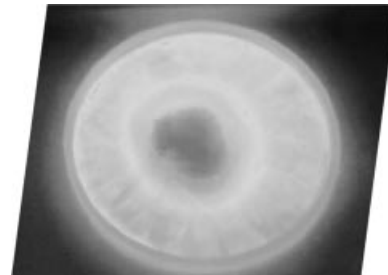


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COVER PICTURE

The cover picture shows a disc that contains a suspension of the complex $[(C_6F_5)_2Au\{\mu-Ag(OCIO_3)\}Au(C_6F_5)_2]$ (solid) (Figure 1 in the Microreview) under ultraviolet light. The border of the disc is cooled with liquid nitrogen to a temperature close to 77 K and the centre of the disc is at room temperature. The luminescence and the colour of the complex changes from red (near 77 K), through orange and yellow, to green (room temperature). Details are discussed in the Microreview by M. Bardajia and A. Laguna on p. 3069 ff.



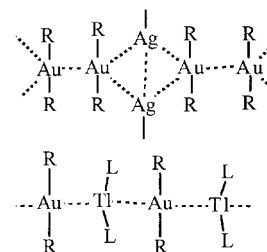
MICROREVIEWS

Contents

3069 M. Bardajia, A. Laguna*

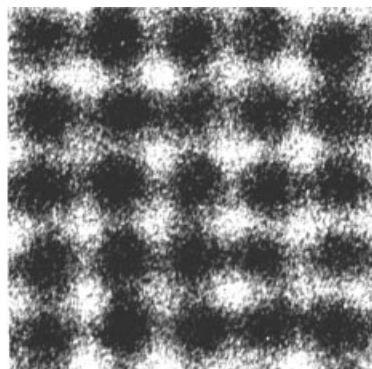
Heteronuclear Metal–Metal Contacts between
 Gold(I) and Group-11, -12, and -13 Centers

Keywords: Gold / Heterometallic complexes / Metal–metal interactions / Silver



Nanoparticulated Gold: Syntheses, Structures, Electronics, and Reactivities

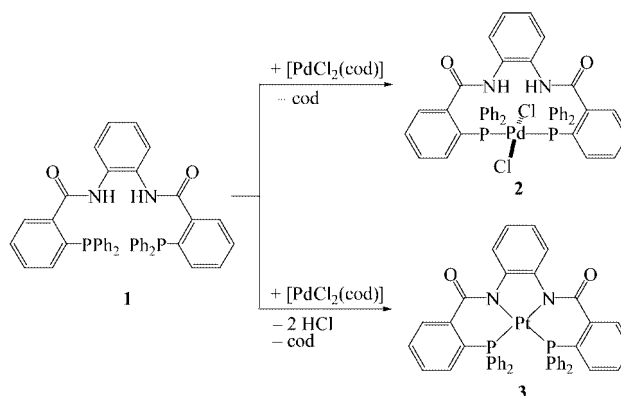
Keywords: Gold / Nanoparticles / Synthetic methods / Quantum dots / Self-assembly / Heterogeneous catalysis



SHORT COMMUNICATION

1,2-Bis-*N*-[2'-(diphenylphosphanyl)benzoyl]diaminobenzene, a New Chelating Ligand with Versatile Coordination Properties

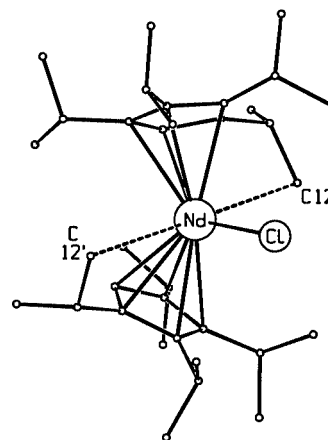
Keywords: Palladium / Platinum / N,P ligands / Ligand design



FULL PAPERS

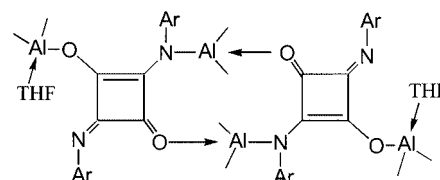
The Substitution Reaction of (Chloro)bis(tetra-isopropylcyclopentadienyl) Complexes of La, Pr, or Nd with Silylamides

Keywords: Lanthanides / Cyclopentadienyl ligands / N ligands / Si ligands



The First Structurally Characterized Aluminum Squaraine Complex: $L_2(AlMe_2)_4 \cdot 2THF \cdot 2toluene$ [L = Bis(2,6-diisopropylanilino)squaraine]

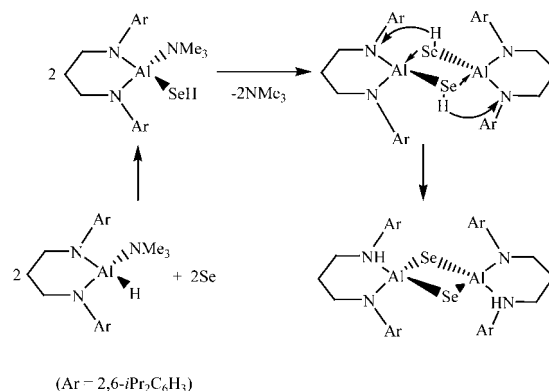
Keywords: Aluminum / Squaraine / N ligands / O ligands / X-ray diffraction



- 3113** H. Zhu, J. Chai, H. W. Roesky,*
M. Noltemeyer, H.-G. Schmidt, D. Vidovic,
J. Magull

A Bulky Chelating Diamidoaluminum Mono-
hydride. Synthesis, Structure and Reactions with
 Me_3SnF and Heavy Group 16 Elements

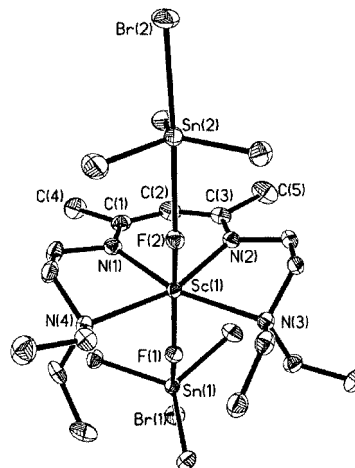
Keywords: Aluminum / Hydride / Chalcogens /
Fluorine



- 3120** A. M. Neculai, D. Neculai, G. B. Nikiforov,
H. W. Roesky,* C. Schlicker,
R. Herbst-Irmer, J. Magull, M. Noltemeyer

Partially Fluorinated Rare Earth Metal
Complexes

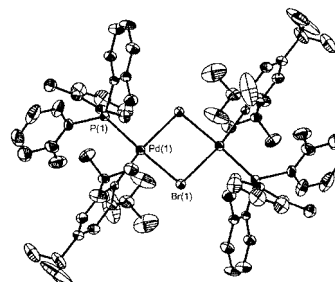
Keywords: Lanthanides / Fluorides / Tin / N donor
ligands



- 3127** C. Bartolomé, P. Espinet,*
J. M. Martín-Alvarez, F. Villafañe

Monoarylated Fluoromesitylpalladium Com-
plexes

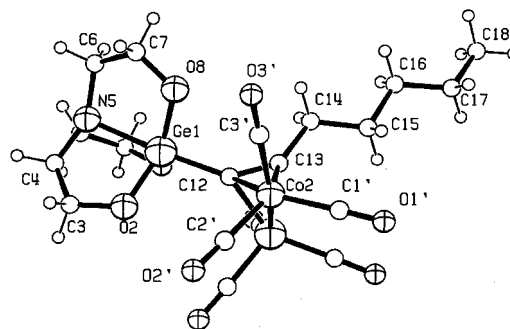
Keywords: Palladium / Fluorinated ligands / Ligand
substitution / Bulky ligands / Steric hin-
drance



- 3139** E. Lukevics, P. Arsenyan,* S. Belyakov,
O. Pudova

Synthesis, Structure and Chemical Transfor-
mations of Ethynylgermatranes

Keywords: Cobalt / Germanium / Germatrane / X-ray
diffraction / Alkynes



- 3144** F. Schlosser, S. Krüger, N. Rösch*



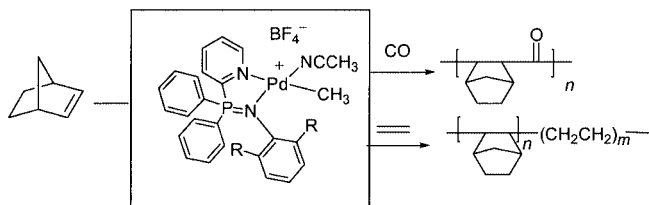
Relativistic Density Functional Study of the
Dinuclear Uranyl Complex $[(\text{UO}_2)_2(\mu_2\text{-OH})_2\text{Cl}_2\text{-}$
 $(\text{H}_2\text{O})_4]$ in Its Crystalline Environment

Keywords: Actinides / Uranium / Hydrogen bonds /
Relativistic density functional calculations



3152 H.-R. Wu, Y.-H. Liu, S.-M. Peng, S.-T. Liu*

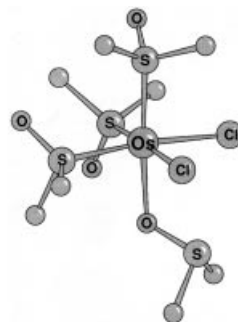
Palladium(II) Complexes Containing a Pyridinyliminophosphorane Ligand



Keywords: N ligands / Polymerization / Palladium

3160 E. Alessio,* B. Serli, E. Zangrando, M. Calligaris, N. S. Panina

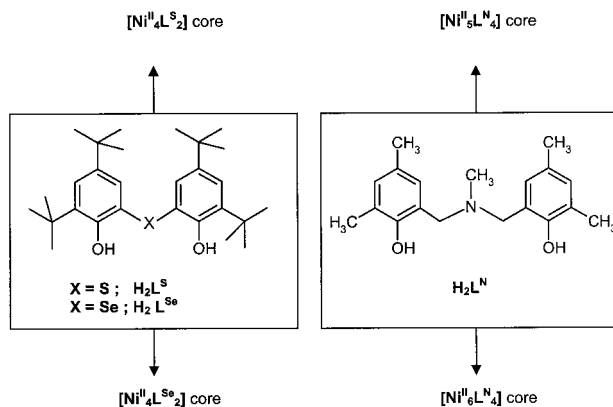
Geometrical and Linkage Isomers of $[\text{OsCl}_2(\text{dmsO})_4]$ – The Complete Picture



Keywords: Density functional calculations / Dimethyl sulfoxide / Isomerizations / Osmium

3167 T. K. Paine, E. Rentschler, T. Weyhermüller, P. Chaudhuri*

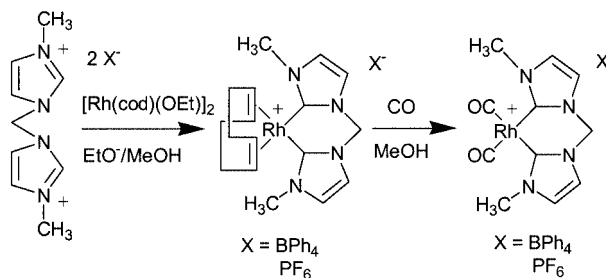
Polynuclear Nickel(II) Complexes: Preparation and Magnetic Properties of Ni^{II}_4 , Ni^{II}_5 , and Ni^{II}_6 Species with Ligands containing $\text{O}^\cap\text{X}^\cap\text{O}$ ($\text{X} = \text{S}, \text{Se}$ or N) Donor Atoms



Keywords: Magnetic properties / Nickel / Selenium / Sulfur / Tripodal ligands

3179 S. Burling, L. D. Field,* H. L. Li, B. A. Messerle, P. Turner

Mononuclear Rhodium(I) Complexes with Chelating *N*-Heterocyclic Carbene Ligands – Catalytic Activity for Intramolecular Hydroamination

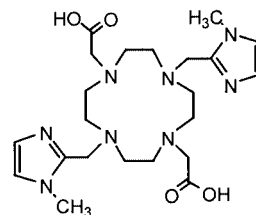


Keywords: Rhodium / Carbene ligands / Homogeneous catalysis / Hydroamination

3185 M. Di Vaira, F. Mani, S. Seniori Costantini, P. Stoppioni,* A. Vacca



Synthesis, Kinetic Study and Molecular Orbital Investigation of Cadmium(II), Mercury(II) and Lead(II) Complexes with the Mixed Pendant-Arm Macrocyclic Ligand 1,7-Bis(carboxymethyl)-4,10-bis(1-methylimidazol-2-ylmethyl)-1,4,7,10-tetraazacyclododecane



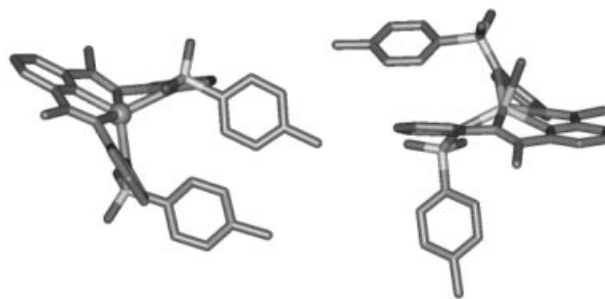
Keywords: Macrocyclic ligands / Cadmium / Lead / Mercury / Conformational equilibrium / Density functional calculations

3193

R. Pedrido, M. R. Bermejo,*
A. M. García-Deibe, A. M. González-Noya,
M. Maneiro, M. Vázquez

Metal Complexes of a Novel Achiral Symmetric
Pentadentate Ligand – Crystal Structures of
Monohelical Zinc(II) and Cadmium(II) Complexes

Keywords: Supramolecular chemistry / Helical
structures / Schiff bases / Electrochemistry

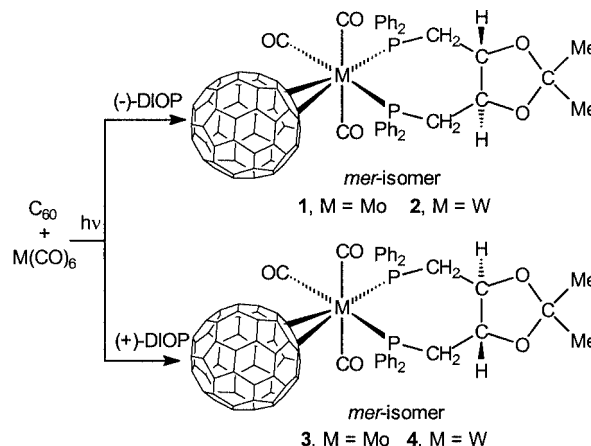


3201

L.-C. Song,* P.-C. Liu, J.-T. Liu, F.-H. Su,
G.-F. Wang, Q.-M. Hu, P. Zanello,
F. Laschi, M. Fontani

Synthesis, Characterization and Electrochemical
Properties of Optically Active [60]Fullerene
Organotransition Metal Complexes *mer*-[(η^2 -
C₆₀)M(CO)₃{(-)-DIOP}] (M = Mo, W), *mer*-
[(η^2 -C₆₀)M(CO)₃{(+)-DIOP}] (M = Mo, W)
and [(η^2 -C₆₀)M{(-)-DIOP}] (M = Pd, Pt) –
Crystal Structure of [(η^2 -C₆₀)Pt{(-)-DIOP}]

Keywords: Transition metals / Fullerenes / Electro-
chemistry / Optical activity



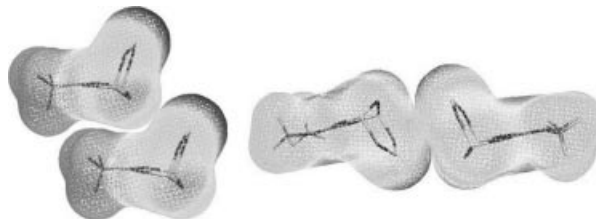
3211

C. Knapp, E. Lork, T. Borrmann,
W.-D. Stohrer, R. Mews*



Syntheses, Structures and Theoretical Investi-
gations of 1 λ^4 ,3 λ^4 ,5 λ^4 -Trithia-2,4,6,8,9-penta-
azabicyclo[3.3.1]nona-1(9),2,3,5,7-pentaenes

Keywords: Sulfur / Nitrogen / Fluorine / Solid-state
structures / Quantum chemistry

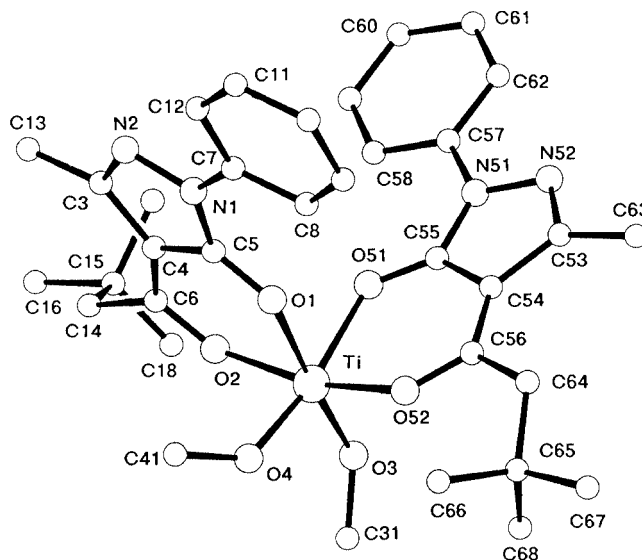


3221

F. Caruso,* L. Massa, A. Gindulyte,
C. Pettinari,* F. Marchetti, R. Pettinari,
M. Ricciutelli, J. Costamagna,
J. C. Canales, J. Tanski, M. Rossi

(4-Acyl-5-pyrazolonato)titanium Derivatives:
Oligomerization, Hydrolysis, Voltammetry, and
DFT Study

Keywords: Titanium / Density functional calculations /
Nitrogen heterocycles / Voltammetry /
O ligands

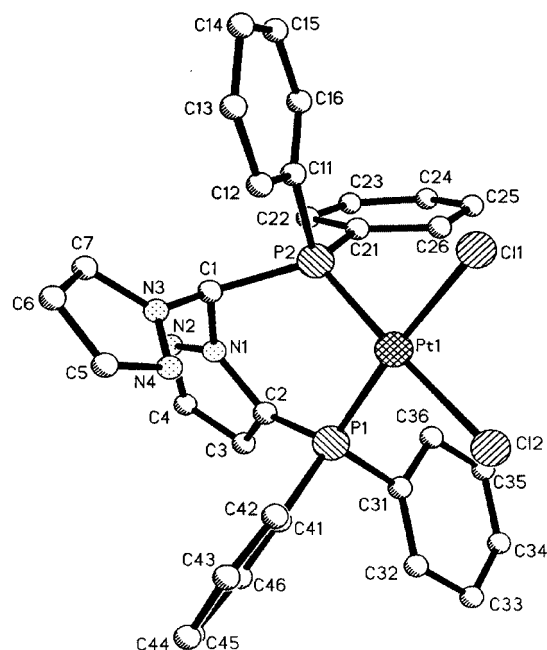


3233

A. Otero,* F. Carrillo-Hermosilla,*
P. Terreros, T. Expósito, S. Rojas,
J. Fernández-Baeza, A. Antiñolo,
I. López-Solera

Synthesis, Structure and Reactivity of New Late Transition Metal Complexes Bearing Diphosphane Ligands Derived from Bis(pyrazol-1-yl)-methane

Keywords: Nitrogen heterocycles / Phosphanes / Palladium / Platinum / Rhodium / Iridium / Hydrogenation



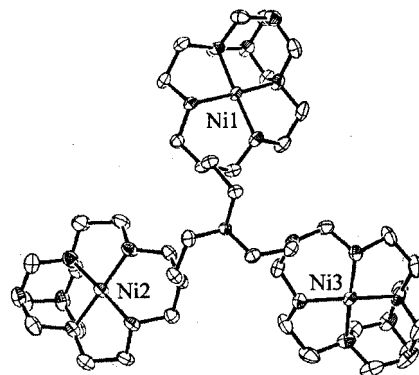
3242

E. Y. Lee, D. Hong, H. W. Park, M. P. Suh*



Synthesis, Properties, and Reactions of Trinuclear Macrocyclic Nickel(II) and Nickel(I) Complexes: Electrocatalytic Reduction of CO₂ by Nickel(II) Complex

Keywords: Nickel / Macrocyclic compounds / Carbon dioxide / Electroreduction / Multinuclear complex



3250

C. An, K. Tang,* X. Liu, Y. Qian

Large-Scale Synthesis of High Quality Trigonal Selenium Nanowires

Keywords: Nanostructures / Semiconductors / Selenium

